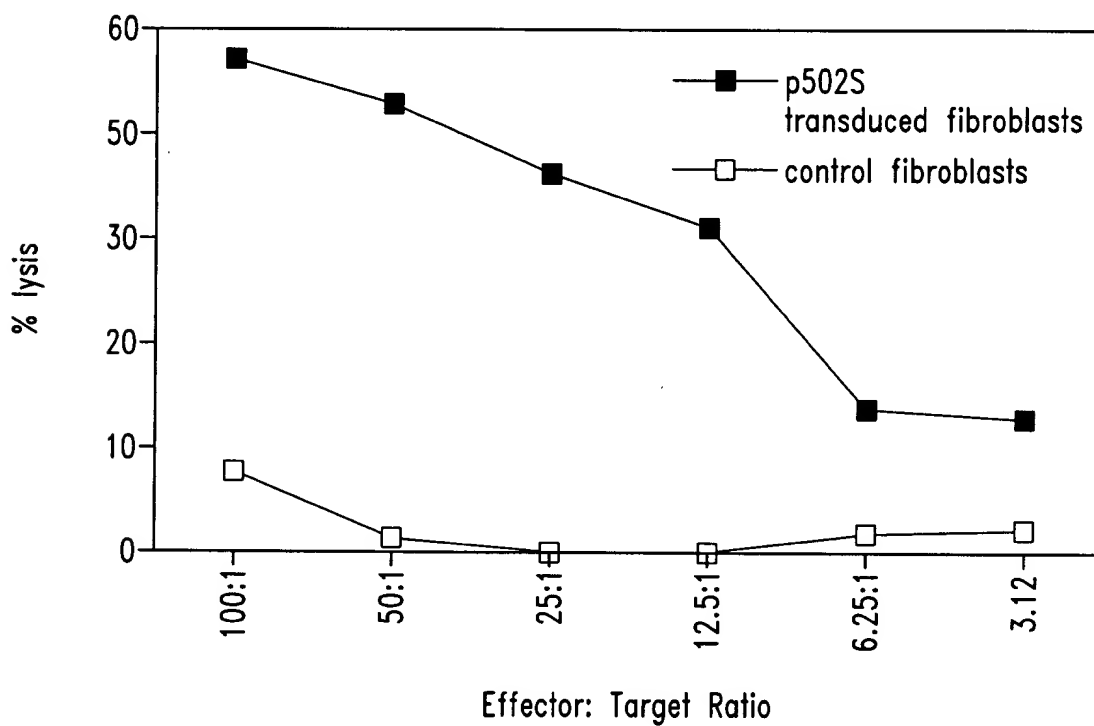
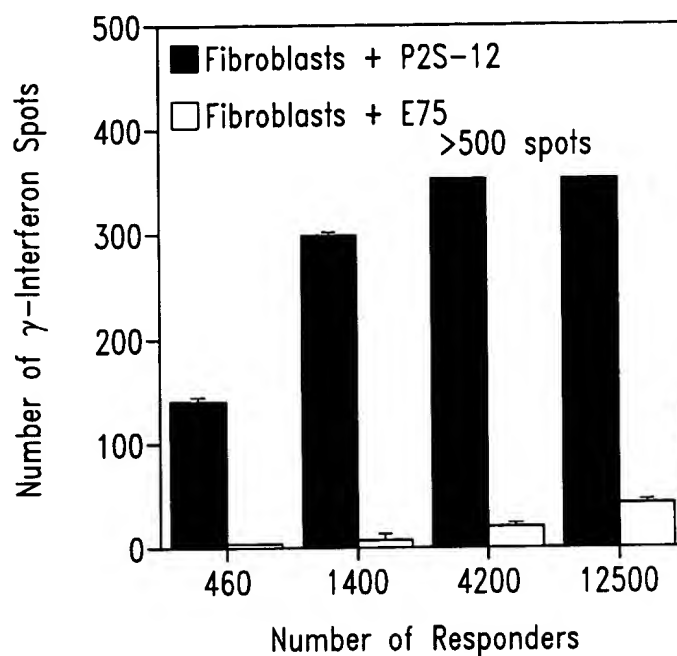


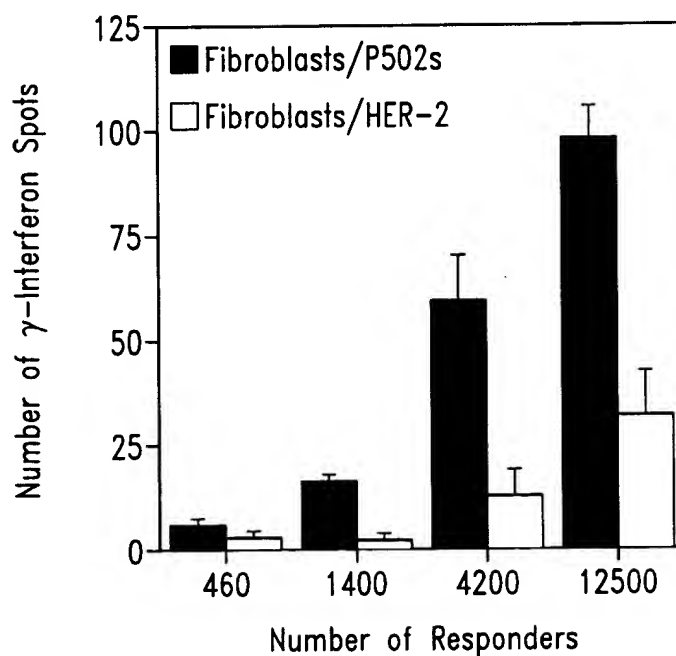
15



*Fig. 1*



*Fig. 2A*



*Fig. 2B*

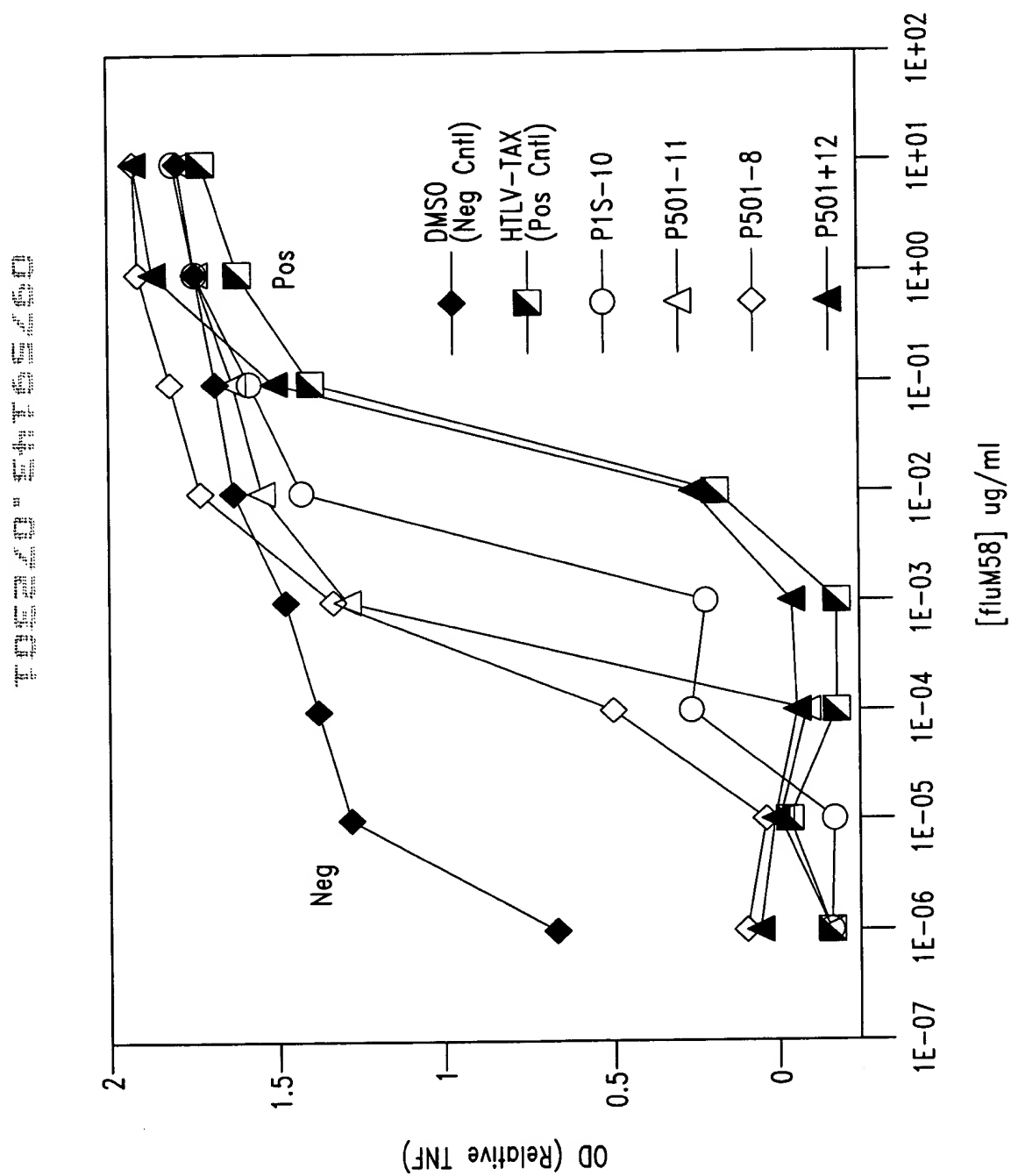


Fig. 3

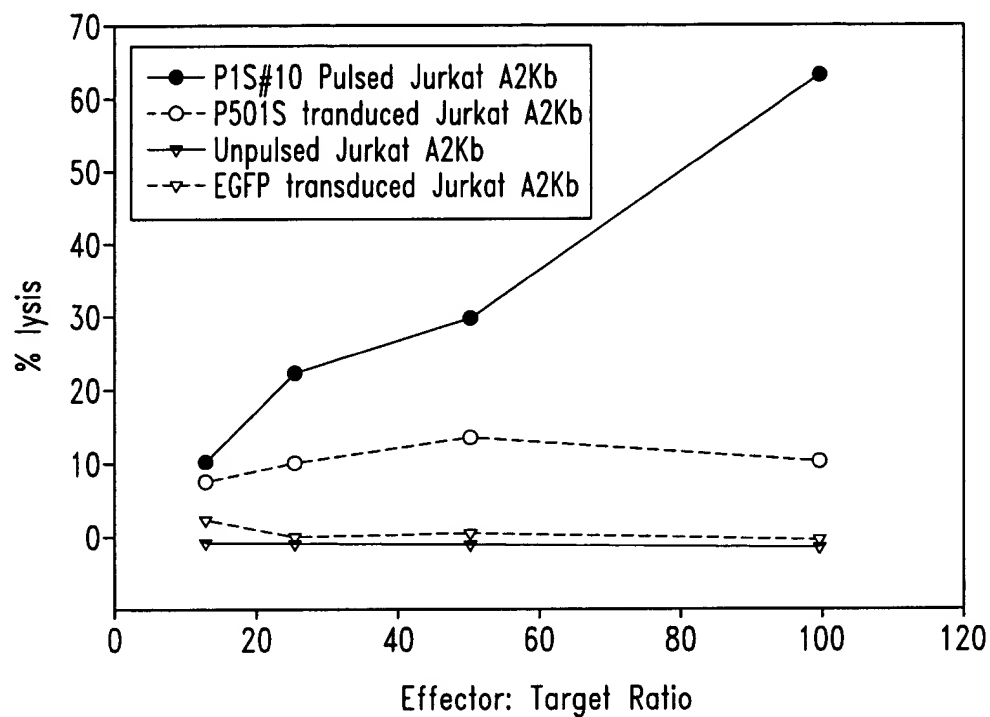


Fig. 4

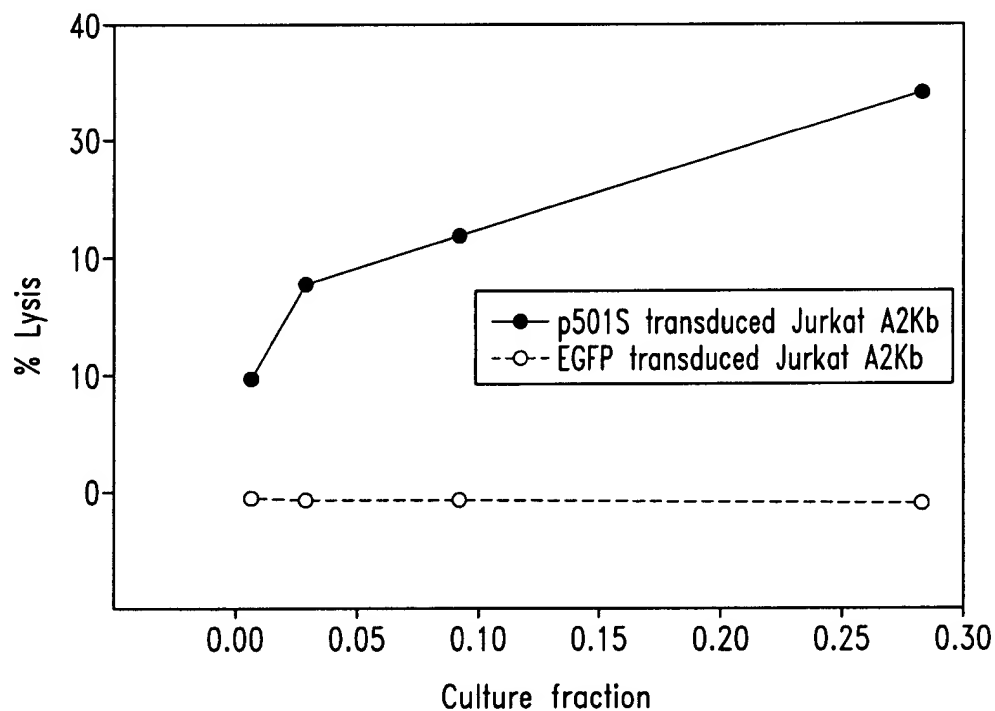


Fig. 5

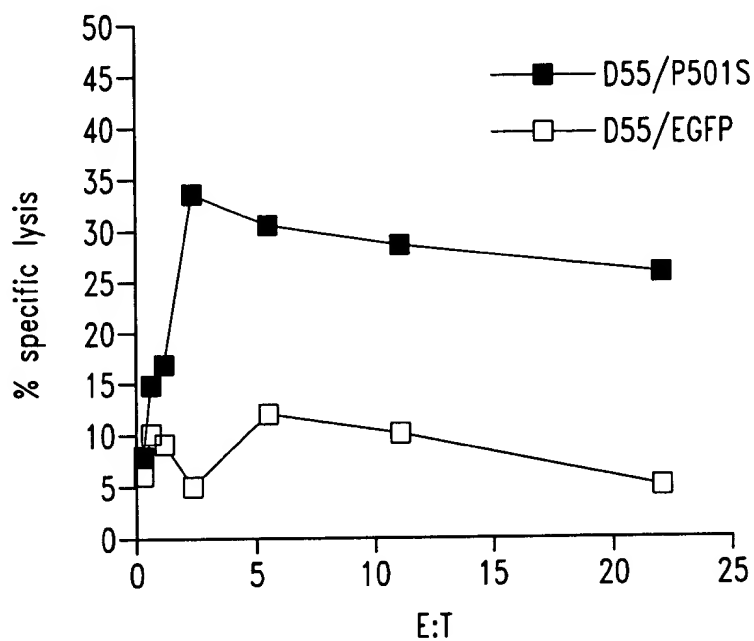


Fig. 6A

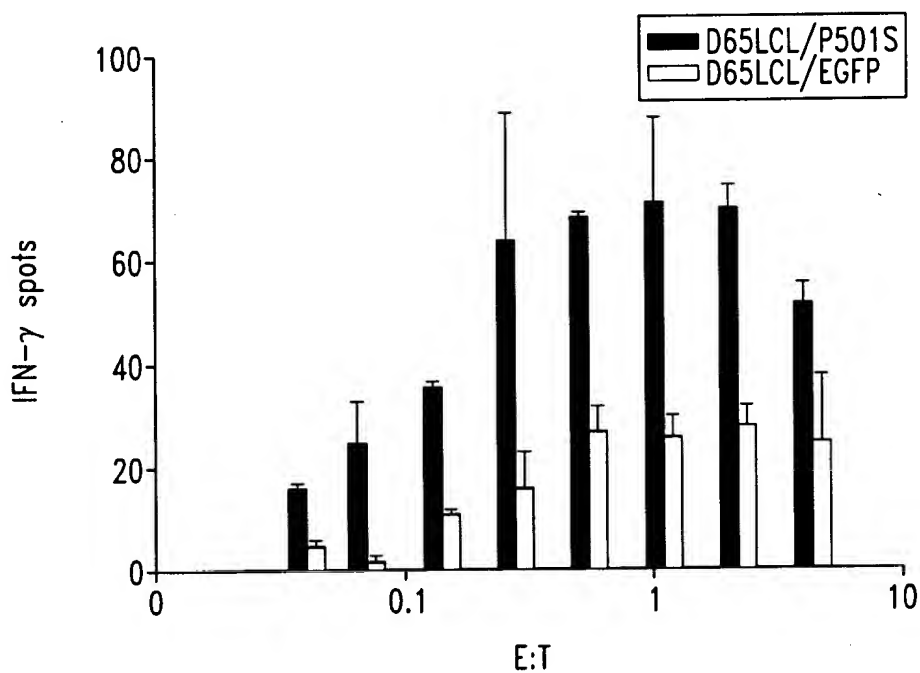


Fig. 6B

FIGURE 8. Mapping of the epitope recognized by 10E3-G4-D3

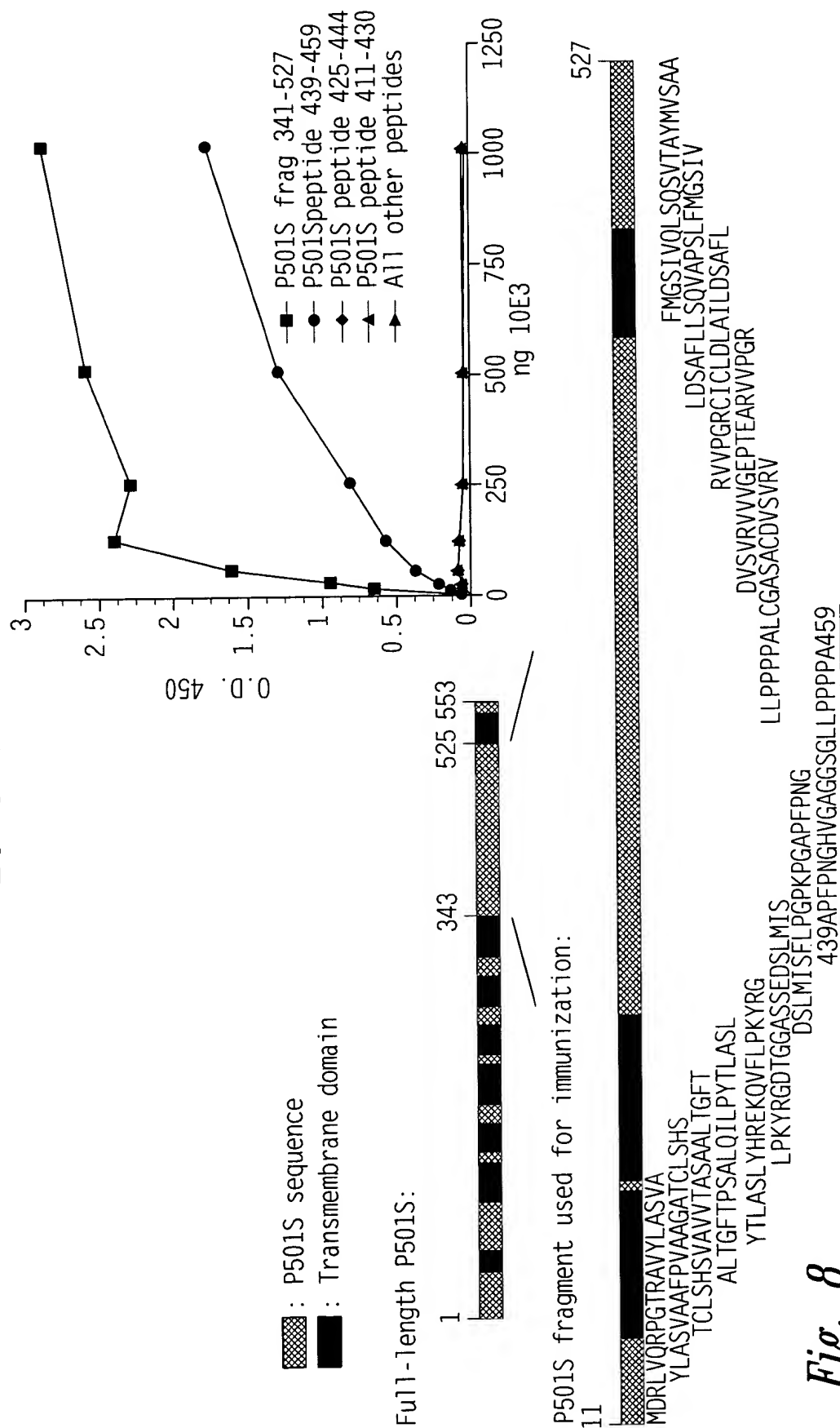
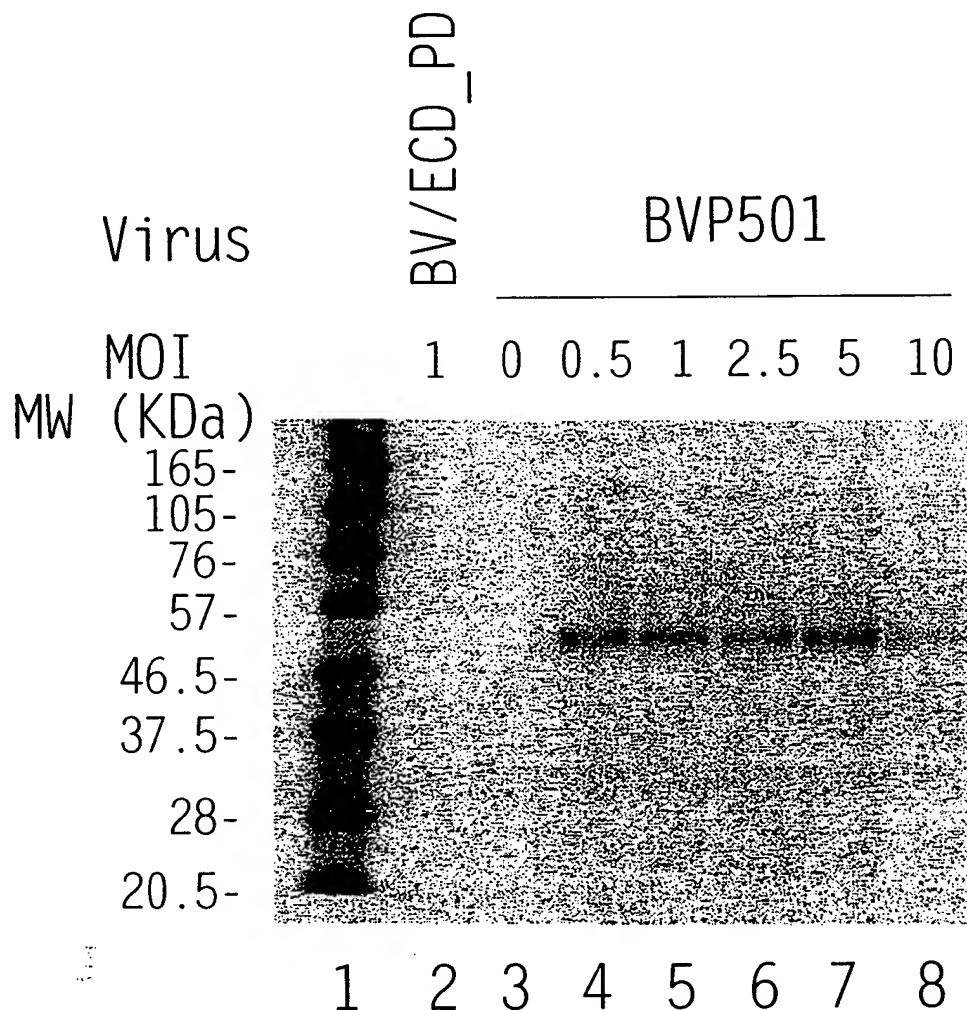


Fig. 8

# Expression of P501S by the Baculovirus Expression System



C 6 million high 5 cells in 6-well plate were infected with an unrelated control virus BV/ECD\_PD (lane2), without virus (lane3), or with recombinant baculovirus for P501 at different MOIs (lane 4-8). Cell lysates were run on SDS-PAGE under the reducing conditions and analyzed by Western blot with a monoclonal antibody against P501S (P501S-10E3-G4D3). Lane 1 is the biotinylated protein molecular weight marker (BioLabs).

*Fig. 7*

Schematic of P501S with predicted  
transmembrane, cytoplasmic, and extracellular regions

*MVQRLWVSRLLRHRK* AQLLLVNLLTFGLEVCLAAGIT **YVP**PLLLEVGVEEKFM  
TMVLGIGPVLGLVCYPLLGSAS

*DHWRGRYGRRRP* FIWALSLGILLSLFLIPRAGWL **AGLLCPDPRPLE** LALLILGVGLLDFCGQVCFTPL  
EALLSDLFRDPDHCRC AYSVYAFMISLGGCLGYLLPAI **DWD**TSALAPYLGTQEE

CLFGLLTLIFLTCVAATLLV AEEAALGPTEPAEGLSAPSLSPHCCPCRARLAFRNLGALLPRL  
*HQLCCRM*PRTLRR LFVAELCSWMALMTFTLFYTDF VGEGLYQGVPRAEPGTEARRHYDEGVR

MGSLGLFLQCAISLVFSLVM DRLVQRFGTRAVYLAS VAAFPVAAGATCLSHSVAVVTA **SAA**

LTGFTFSALQILPYTLASLY *HREKQVFLPKYRGDTGGASSED*SLMTSFLPGPKPGAPFPNGHVGAGGSGL

LPPPPALCGASACDVSVRVVVGEPTEARVVPGRG ICLDLAILDSAFLLSQVAPSLF **MGSIVQLSQS**

VTAYMSAAGLGLVAIYFAT *QVVF*DKSDLAKYSA

Underlined sequence: Predicted transmembrane domain; **Bold sequence**:  
Predicted extracellular domain; *Italic sequence*: Predicted intracellular  
domain. Sequence in bold/underlined: used generate polyclonal rabbit  
serum

Localization of domains predicted using HMMTOP (G.E. Tusnady and I. Simon  
(1998) Principles Governing Amino Acid Composition of Integral Membrane  
Proteins: Applications to topology Prediction. J. Mol Biol. 283, 489-506.

*Fig. 9*



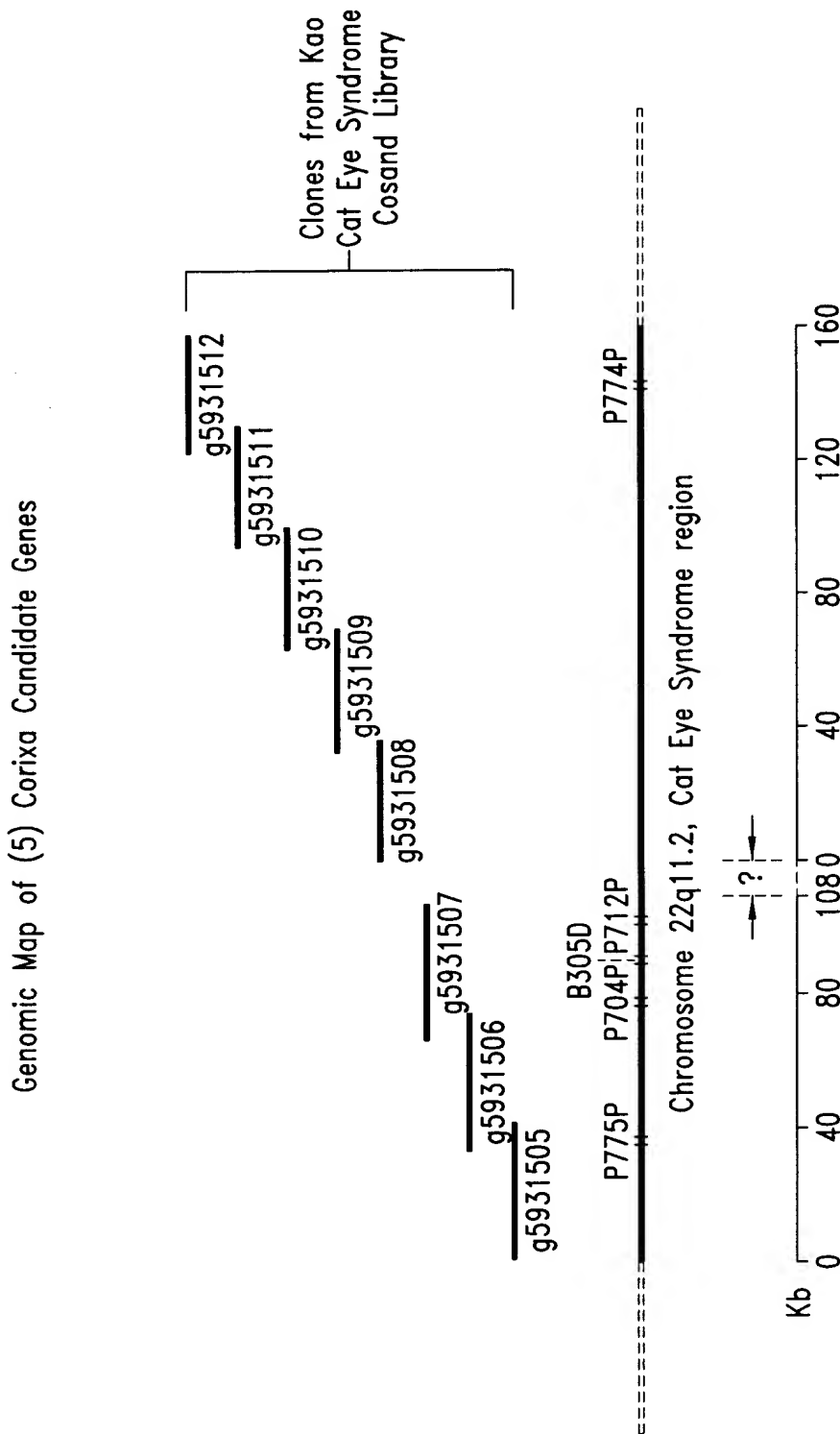


Fig. 10

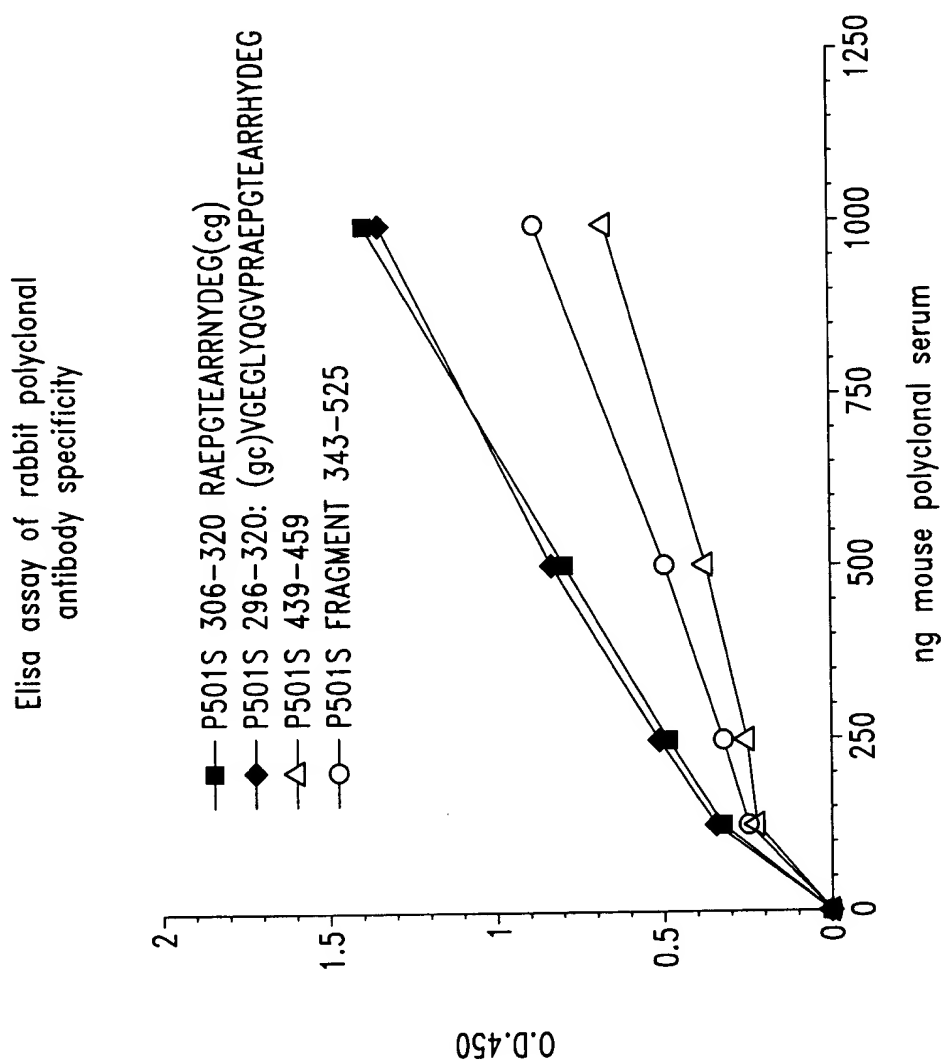


Fig. 11

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TACAGTGAAA GCGACTTGGT GAATTTTATT CAAGCAAATT TTAAGAAACG AGAATGTGTC 180  
TTCTTTACCA AAGATTCCAA GGCCACGGAG AATGTGTGCA AGTGTGGCTA TGCCCAGAGC 240  
CAGCACATGG AAGGCACCCA GATCAACCAA AGTGAGAAAT GGAACACAA GAAACACACC 300  
AAGGAATTC CTACCGACGC CTTTGGGGAT ATTCAGTTTG AGACACTGGG GAAGAAAGGG 360  
AAGTATATAC GTCTGTCTCG CGACACGGAC GCGGAAATCC TTTACGAGCT GCTGACCCAG 420  
CACTGGCACC TGAAAACACC CAACCTGGTC ATTTCTGTGA CCGGGGGCGC CAAGAACTTC 480  
GCCCTGAAGC CGCGCATGCG CAAGATCTTC AGCCGGCTCA TCTACATCGC GCAGTCCAAA 540  
GGTGCTTGGG TTCTCACGGG AGGCACCCAT TATGGCCTGA CGAAGTACAT CGGGGAGGTG 600  
GTGAGAGATA ACACCATCAG CAGGAGTTCA GAGGAGAATA TTGTGGCCAT TGGCATAGCA 660  
GCTTGGGGCA TGGTCTCCAA CCGGGACACC CTCATCAGGA ATTGCGATGC TGAGGGCTAT 720  
TTTTTAGCCC AGTACCTTAT GGATGACTTC ACAAGGGATC CACTGTATAT CCTGGACAAC 780  
AACCACACAC ATTTGCTGCT CGTGGACAAT GGCTGTCATG GACATCCCAC TGTCGAAGCA 840  
AAGCTCCGGA ATCAGCTAGA GAAGCATATC TCTGAGCGCA CTATTCAAGA TTCCAACAT 900  
GGTGGCAAGA TCCCCATTGT GTGTTTTGCC CAAGGAGGTG GAAAAGAGAC TTTGAAAGCC 960  
ATCAATACCT CCATCAAAAA TAAATTCCT TGTGTGGTGG TGGAAGGCTC GGGCCGGATC 1020  
GCTGATGTGA TCGCTAGCCT GGTGGAGGTG GAGGATGCCC CGACATCTTC TGCCGTCAAG 1080  
GAGAAGCTGG TGCCTTTTTT ACCCCGCACG GTGTCCCGGC TGTCTGAGGA GGAGACTGAG 1140  
AGTTGGATCA AATGGCTCAA AGAAATTCTC GAATGTTCTC ACCTATTAAC AGTTATTAAA 1200  
ATGGAAGAAG CTGGGGATGA AATTGTGAGC AATGCCATCT CCTACGCTCT ATACAAAGCC 1260  
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GCTGACCTTC AAGAAGTCAT GTTTACGGCT CTCATAAAGG ACAGACCCAA GTTTGTCCGC 1440  
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CTCTCCAAAG TCATTTGGGA GCAGACCAGG GGCTGCACTC TGGCAGCCCT GGGAGCCAGC 1800  
AAGCTTCTGA AGACTCTGGC CAAAGTGAAG AACGACATCA ATGCTGCTGG GGAGTCCGAG 1860  
GAGCTGGCTA ATGAGTACGA GACCCGGGCT GTTGAGCTGT TCACTGAGTG TTACAGCAGC 1920  
GATGAAGACT TGGCAGAACA GCTGCTGGTC TATTCCTGTG AAGCTTGGGG TGGAAGCAAC 1980  
TGTCTGGAGC TGGCGGTGGA GGCCACAGAC CAGCATTTC ACGCCCAGCC TGGGGTCCAG 2040  
AATTTTCTTT CTAAGCAATG GTATGGAGAG ATTTCCCGAG ACACCAAGAA CTGGAAGATT 2100

*Fig. 12A (1)*

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CTGCTCATGG ATTTCCATTC GGTGCCACAC CCCCCGAGC TGGTCCTGTA CTCGCTGGTC 2340  
TTTGTCTCT TCTGTGATGA AGTGAGACAG TGGTACGTAA ATGGGGTGAA TTATTTTACT 2400  
GACCTGTGGA ATGTGATGGA CACGCTGGGG CTTTTTACT TCATAGCAGG AATTGTATTT 2460  
CGGCTCCACT CTTCTAATAA AAGCTCTTTG TATTCTGGAC GAGTCATTTT CTGTCTGGAC 2520  
TACATTATTT TACTCTAAG ATTGATCCAC ATTTTACTG TAAGCAGAAA CTTAGGACCC 2580  
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GTGTGGATGG TGGCCTTTGG CGTGGCCAGG CAAGGGATCC TTAGGCAGAA TGAGCAGCGC 2700  
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GAATCCTATT GCTGTATTTG GGAAAATTTT CCAAGGTTAG ATTCCAATAA ATATCTATTT 4500  
ATTATTAAAT ATTTAAATAT CGATTTATTA TTAAAACCAT TTATAAGGCT

*Fig. 12A (2)*

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ATTA AAAATAA AATATTATAT TTAAC CCTAG TTAAAGAAGA AGTCAATATG AACCTGAACT 4620  
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Fig. 12A (3)

Title: COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS OF PROSTATE CANCER

Express Mail # EL897865106US

Inventor(s): Jiangchun Xu et al. Serial No. 09/759,143 Docket No. 210121.427C23

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*Fig. 12B*